



Gulf of Mexico Harmful Algal Bloom Bulletin

21 August 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: August 15, 2007

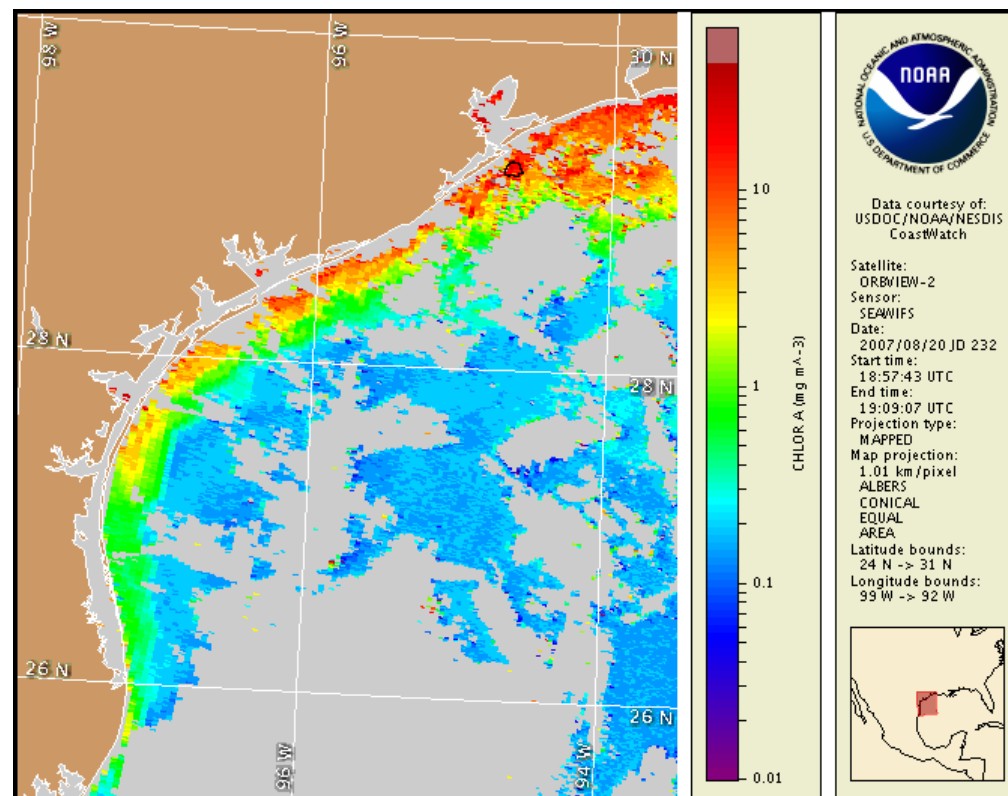
Conditions Report

There have been no recent reports of red tide. No impacts are expected along the Texas Coast.

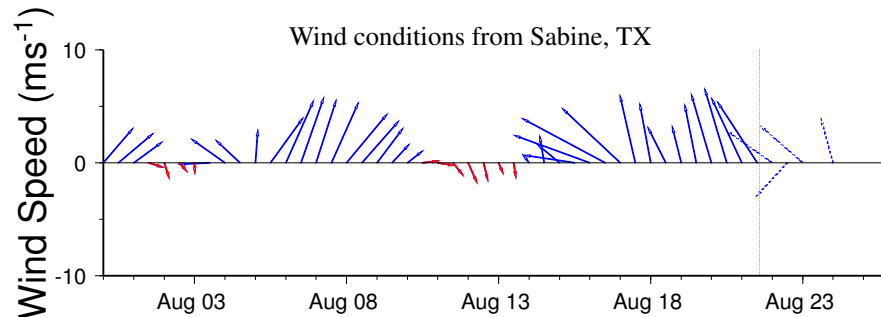
Analysis

There have been no recent reports of red tide. There is a small area of elevated chlorophyll (~10 ug/L) offshore of Galveston, which most likely represents the extension of the Mississippi River plume to this region. Onshore winds predicted over the next few days would likely result in respiratory irritation in the area of Galveston Island if the elevated chlorophyll in the area were due to *K.brevis*.

Lopez, Wynne



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 11-16 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

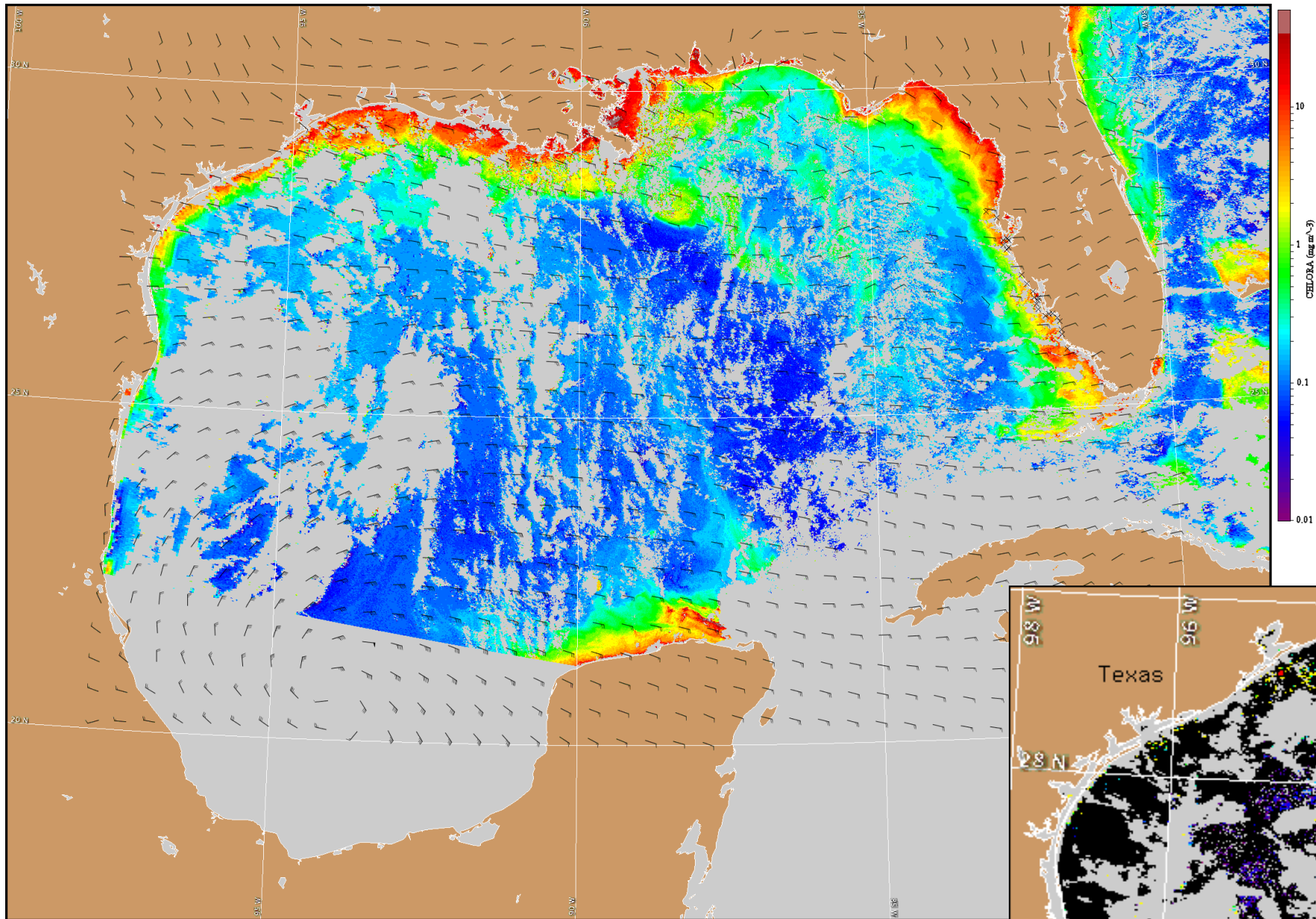


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

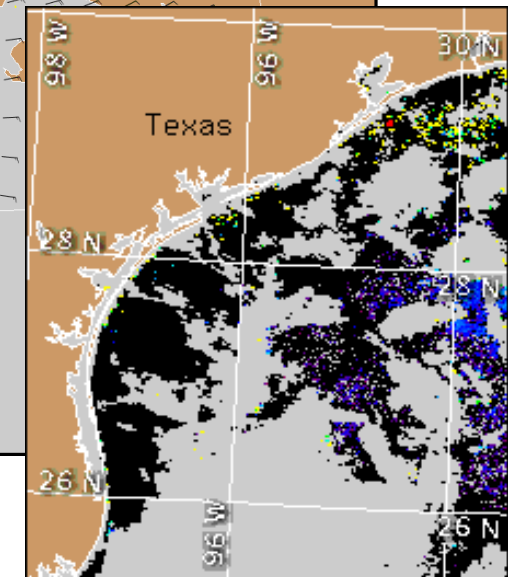
Today and Wednesday, east winds between 15-20 knots. Thursday and Friday, southeast winds 10-15 knots.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for August 22, 2007 06Z with cell concentration sampling data from August 11-16 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf



Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).

Wind conditions from Port Aransas, TX

